

AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions and listings of claims in the application.

Listing of Claims:

Claim 1. (currently amended): A wear resistant and seizure resistant film formed on a sliding part, wherein the film is formed of a coating composition comprising a binder resin, which is polyimide or polyamide-imide, a solid lubricant of polytetrafluoroethylene in an amount of from 15% by mass to 100% by mass based on 100% by mass of the binder resin, titanium oxide powder particles in an amount of from 5% by mass to 35% by mass based on 100% by mass of the binder resin, and a silane coupling agent in an amount of from 0.1% by mass to 10% by mass based on 100% by mass of the binder resin, the solid lubricant, the titanium oxide powder particles and the silane coupling agent being dispersed in the binder resin of the film.

Claim 2. (currently amended): The film according to claim 1, wherein the average primary particle diameter of the titanium oxide powder particles is 1 μm or less.

Claim 3. (previously presented): The film according to claim 1, wherein the content of the polytetrafluoroethylene relative to the binder resin is in the range between 30% by mass and 80% by mass, inclusive, based on 100% by mass of the binder resin.

Claim 4. (currently amended): The film according to claim 1, wherein the content of the titanium oxide powder particles relative to the binder resin is in the range between 10% by mass and 20% by mass, inclusive, based on 100% by mass of the binder resin.

Claims 5-6. (canceled).

Claim 7. (previously presented). The film according to claim 1, wherein the content of the silane coupling agent relative to the binder resin is in the range between 2% by mass and 8% by mass, inclusive, based on 100% by mass of the binder resin.

Claims 8-14. (canceled).

Claim 15. (currently amended): The film according to claim 1, wherein:
the content of the polytetrafluoroethylene relative to the binder resin is in the range between 20.0% by mass and 76.0% by mass, inclusive, based on 100% by mass of the binder resin;

the content of the titanium oxide power particles relative to the binder resin is in the range between 7.7% by mass and 30.8% by mass, inclusive, based on 100% by mass of the binder resin; and

the content of the silane coupling agent relative to the binder resin is in the range between 0.2% by mass and 7.7% by mass, inclusive, based on 100% by mass of the binder resin.

Claim 16. (currently amended): The film according to claim 15, wherein the content of the titanium oxide powder particles relative to the binder resin is not less than 15.4% by mass based on 100% by mass of the binder resin.

Claim 17. (previously presented): The film according to claim 15, wherein the content of the polytetrafluoroethylene relative to the binder resin is not less than 30.1% by mass based on 100% by mass of the binder resin.

Claim 18. (previously presented): The film according to claim 15, wherein the content of the silane coupling agent relative to the binder resin is not less than 1.5% by mass based on 100% by mass of the binder resin.

Claim 19. (previously presented): The film according to claim 1, wherein the sliding parts are metal sliding parts.

Claim 20. (currently amended): A wear resistant and seizure resistant film formed on a sliding part, wherein the film is formed of a coating composition comprising a binder resin, which is polyimide or polyamide-imide, a solid lubricant of polytetrafluoroethylene in an amount of from 15% by mass to 100% by mass based on 100% by mass of the binder resin, titanium oxide powder particles in an amount of from 5% by mass to 35% by mass based on 100% by mass of the binder resin, and a silane coupling agent in an amount of from 0.1% by mass to 10% by mass based on 100% by mass of the binder resin, the solid lubricant, the titanium oxide powder particles and the silane coupling agent being dispersed in the binder resin of the film,

wherein the film is obtainable by mixing the coating composition by a solvent, applying the mixed composition to the sliding part, and heating the sliding part having the mixed composition applied thereto to cure the binder resin.

Claim 21. (withdrawn): A method for forming a wear resistant and seizure resistant film on a sliding part, the method comprising:

preparing a coating composition comprising a binder resin, which is polyimide or polyamide-imide, a solid lubricant of polytetrafluoroethylene in an amount of from 15% by mass to 100% by mass based on 100% by mass of the binder resin, titanium oxide powder in an amount of from 5% by mass to 35% by mass based on 100% by mass of the binder resin, and a

silane coupling agent in an amount of from 0.1% by mass to 10% by mass based on 100% by mass of the binder resin;

mixing the coating composition by a solvent;

applying the mixed composition to the sliding part; and

heating the sliding part having the mixed composition applied thereto to cure the binder resin, whereby the solid lubricant, the titanium oxide powder and the silane coupling agent are dispersed in the binder resin of the film.